AI Suite II User Manual
M5A R2.0 Series

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Installing AI Suite II

AI Suite II is an all-in-one interface that integrates several ASUS utilities and allows you to launch and operate these utilities simultaneously.

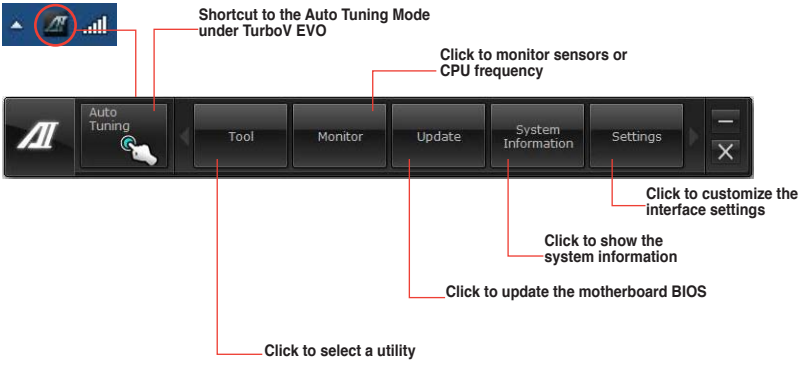
To install AI Suite II on your computer

1. Place the support DVD to the optical drive. The Drivers installation tab appears if your computer has enabled the Autorun feature.
2. Click **Utilities** tab **> AI Suite II**.
3. Follow the onscreen instructions to complete the installation.

Using AI Suite II

AI Suite II automatically starts when you enter the Windows® operating system (OS). The AI Suite II icon appears in the Windows® notification area. Click the icon to open the AI Suite II main menu bar.

Click each button to select and launch a utility, to monitor the system, to update the motherboard BIOS, to display the system information, and to customize the settings of AI Suite II.



- The **Auto Tuning** button appears only on models with the TurboV EVO function.
- The applications in the Tool menu vary with motherboard models and CPUs installed.
- The screeshots of AI Suite II in this user manual are for reference only. The actual screenshots vary with models.
- Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.

DIGI+ Power Control

ASUS DIGI+ Power Control allows you to adjust VRM voltage and frequency modulation to enhance reliability and stability. It also provides the highest power efficiency, generating less heat to prolong the component lifespan and minimize power loss.

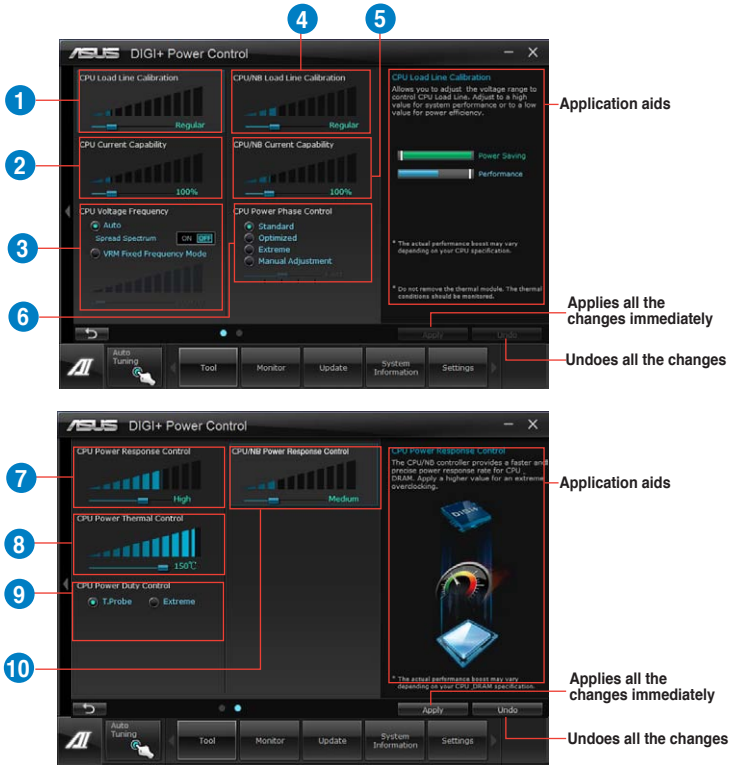
To launch DIGI+ Power Control, click **Tool > Power Control** on the AI Suite II main menu bar.

Smart DIGI+ Key

Function no.	Function description
1	**Smart DIGI+ Key** Quickly delivers a optimized VRM frequency, voltage, and current for superior CPU/DRAM overclocking performance with one click.
2	**OC Now!** Adjusts the ratio settings in TurboV.
3	**Default** Sets your CPU/DRAM power to default settings.

CPU Power

CPU Power offers precise digital power control for CPU and CPU/NB to enhance efficiency, stability, and performance for overclocking scenarios.



Function no.	Function description
1	**CPU Load-line Calibration** It allows you to adjust the voltage settings and control the system temperature. Higher load-line calibration could get higher voltage and good overclocking performance but increases the CPU and VRM thermal.
2	**CPU Current Capability** CPU Current Capability provides wider total power range for overclocking. A higher value setting gets higher VRM power consumption delivery.
3	**CPU Voltage Frequency** Switching frequency will affect the VRM transient response and component thermal. Higher frequency gets quicker transient response.

Function no.	Function description
4	**CPU/NB Load-line Calibration** Set to a higher value for system performance, or to a lower value for better thermal solution.
5	**CPU/NB Current Capability** Setting CPU/NB Current Capability to a higher value increases the overclocking frequency range of the DRAM Controller.
6	**CPU Power Phase Control** Increase phase number under heavy system loading to get more transient and better thermal performance. Reduce phase number under light system loading to increase VRM efficiency.
7	**CPU Power Response Control** The VRM controller provides a faster and precise power response rate for CPU. Apply a higher value for an extreme overclocking.
8	**CPU Power Thermal Control** A higher temperature brings a wider CPU power thermal range, and extends the overclocking tolerance to enlarge overclocking potential.
9	**CPU Power Duty Control** CPU Power Duty Control adjusts the current of every VRM phase and the thermal of every phase component.
10	**CPU/NB Power Response Control** The CPU/NB controller provides a faster and precise power response rate for CPU&DRAM. Apply a higher value for an extreme overclocking.

DRAM Power

DRAM Power offers precise digital power control for DRAM to enhance efficiency, stability, and performance for overclocking scenarios.

Function no.	Function description
1	**DRAM Current Capability** A higher value brings a wider total power range and extends the overclocking frequency range simultaneously.
2	**DRAM Voltage Frequency** Allows you to adjust the DRAM switching frequency for system stability or to increase OC Range.
3	**DRAM Power Phase Control** Select **Extreme** for full phase mode to increase system performance or select **Optimized** for ASUS optimized phase tuning profile to increase DRAM power efficiency.

- The actual performance boost may vary depending on your CPU specification.
- Do not remove the thermal module. The thermal conditions must be monitored.

TurboV EVO

ASUS TurboV EVO includes **TurboV** that allows you to manually adjust the CPU frequency and related voltages such as **CPU Level Up** that offers automatic and easy overclocking and system level up.

To launch AI Suite II, click **Tool > TurboV EVO** on the AI Suite II main menu bar.

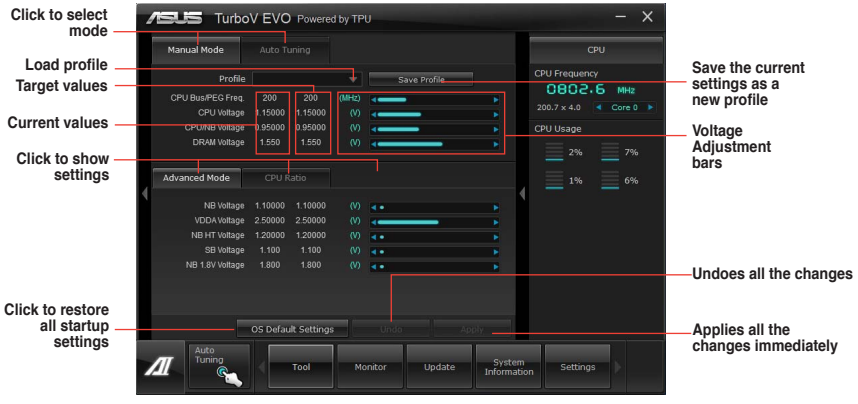
Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.

TurboV

TurboV allows you to overclock the BCLK frequency, CPU voltage, IMC voltage, and DRAM Bus voltage in Windows® environment and in real-time without exiting and rebooting the OS.

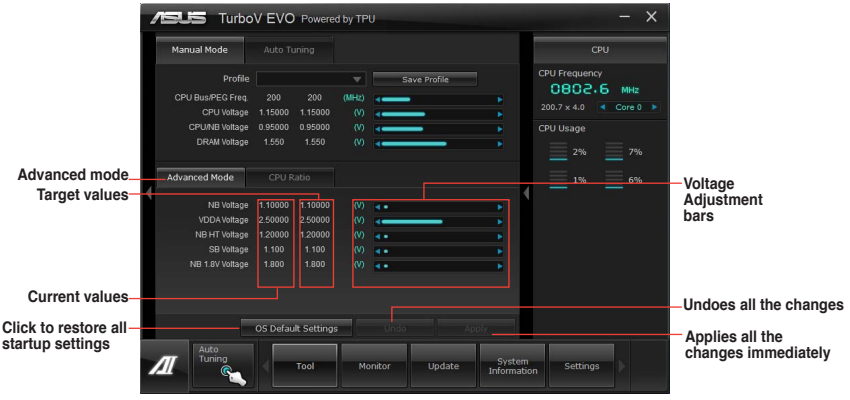
Refer to the CPU documentation before adjusting CPU voltage settings. Setting a high voltage may damage the CPU permanently, and setting a low voltage may lead to an unstable system.

For system stability, all changes made in TurboV will not be saved to BIOS settings and will not be kept on the next system boot. Use the **Save Profile** function to save your customized overclocking settings and manually load the profile after Windows starts.



Using Advanced Mode

Click on the **Advanced Mode** tab to adjust the advanced voltage settings.

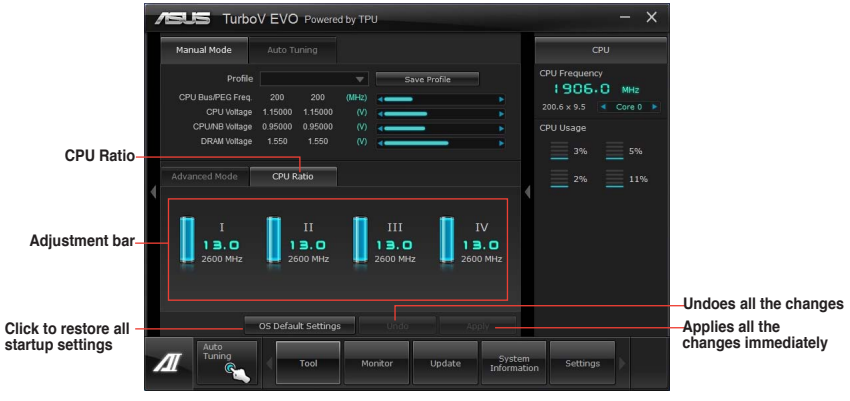


CPU Ratio

Allows you to manually adjust the CPU ratio.

The first time you use **CPU Ratio**, go to **AI Tweaker > CPU Power Management** in BIOS and set the **Turbo Ratio** item to **[Maximum Turbo Ratio setting in OS]**.

1. Click on the **CPU Ratio** tab.
2. Drag the adjustment bar upwards or downwards to the desired value.
3. Click **Apply** to save the changes made.



- Set the **CPU Ratio Setting** item in BIOS to [Auto] before using the CPU Ratio function in TurboV. Refer to the BIOS chapter of your motherboard user manual for details.
- The CPU Ratio bars show the status of the CPU cores, which vary with your CPU model.

Auto Tuning

ASUS TurboV EVO provides you with these two auto-tuning modes for the most flexible auto-tuning options.

- The overclocking result varies with the CPU model and the system configuration.
- We recommend that you set up a better thermal environment to prevent overheating from damaging the motherboard.

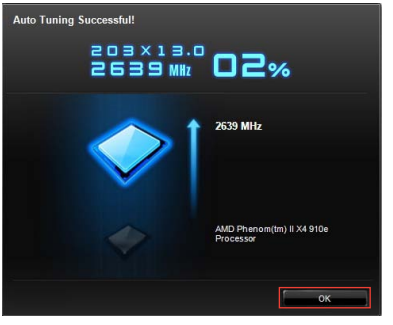
- **Fast Tuning**: fast CPU overclocking
- **Extreme Tuning**: extreme overclocking for CPU and memory

Using Fast Tuning

1. Click **Auto Tuning** tab **> Fast**.
2. Read the warning messages and click **Start** to start the auto-overclocking process.

   TurboV automatically overclocks the CPU, saves the BIOS settings, and restarts the system.

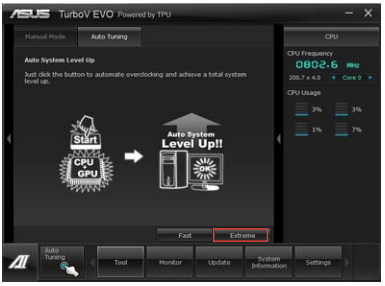
3. After the system restarts, a message appears indicating that auto-tuning is successful. Click **OK** to exit.



Using Extreme Tuning

1. Click **Auto Tuning** tab **> Extreme**.
2. Read the warning messages and click **Start** to start the auto-overclocking process.

   TurboV automatically overclocks the CPU and memory, and restarts the system.

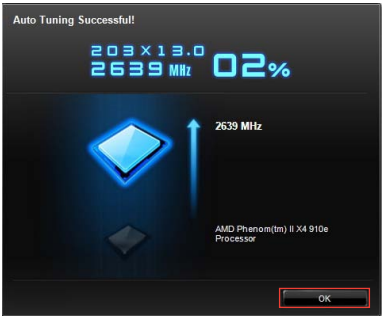


3. After the system has restarted, a message appears indicating the current overclocking result. To keep the result, click **Stop**.

4. If you did not click **Stop** in the previous step, TurboV automatically starts further system overclocking and stability test. Click **Stop** if you want to cancel the overclocking process.

   TurboV automatically adjusts and saves the BIOS settings and restarts the system.

5. After the system has restarted, a message appears indicating that the auto-tuning process is successful. Click **OK** to exit.



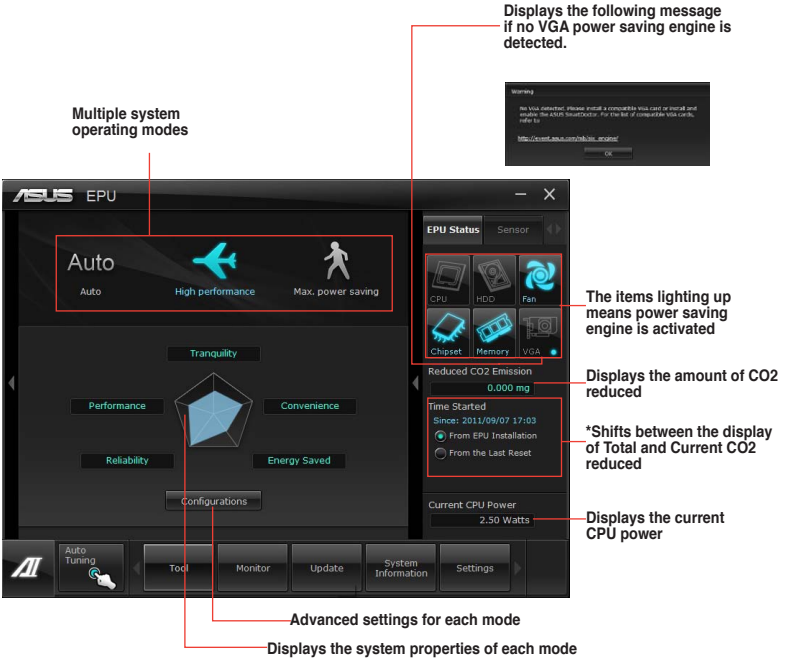
EPU

EPU is an energy-processing utility that provides several power-saving modes. When set to the Auto Mode, the system automatically changes its power-saving mode based on the current system condition.

You can also configure the system settings such as CPU frequency, GPU frequency, vCore Voltage, and Fan Control to customize a power-saving mode.

Launching EPU

To launch EPU, click **Tool > EPU** on the AI Suite II main menu bar.



*• Select **From EPU Installation** to show the CO2 that has been reduced since you installed EPU.

*• Select **From the Last Reset** to show the total CO2 that has been reduced since you click the Clear button [Clear].

• Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.

Remote GO!

Connect your computer to a wireless network and use Remote GO! to wirelessly stream media files to DLNA devices. It allows you to remotely control and access your computer using your mobile device, and easily transfer files between your computer and mobile device.

- Remote GO! is supported only on Windows® 7.
- All devices using the Remote GO! functions must be in the same network.

Using Remote GO!

To launch Remote GO!, click **Tool > Remote GO!** on the AI Suite II menu bar.

Remote GO! functions

- **DLNA Media Hub:** Provides support to the latest DLNA standard, and allows you to stream media files to a DLNA-supported device.
- **Remote Desktop:** Allows you to view your computer's desktop and remotely operate your computer in real-time from your mobile device.
- **File Transfer:** Allows you to transfer files between your computer and mobile device.

Launch W-Fi GO! Remote on your mobile device to use W-Fi GO! Remote control functions. For more details, refer to next section **W-Fi GO! Remote**.

W-Fi GO! Remote

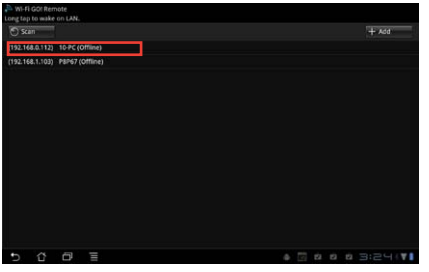
Install the W-Fi GO! Remote application on your mobile device to use Remote GO!'s remote control functions.

- Wi-Fi GO! Remote supports iOS 4.0/Android 2.3 mobile devices or later versions.
- For iOS devices, download the W-Fi GO! Remote from iTunes store. For Android devices, download the W-Fi GO! Remote from Google Play Store or from ASUS support DVD.

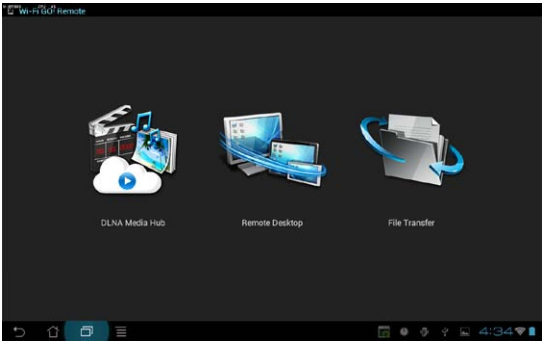
Launching W-Fi GO! Remote

1. Turn on your mobile device's wireless connection. Ensure that your mobile device is within the same network as your computer.
2. On your mobile device, tap and tap **Enter** on the W-Fi GO! Remote page.
3. Tap the computer you want to connect to your mobile device.

4. Tap the computer you want to connect to your mobile device.



W-Fi GO! Remote menu



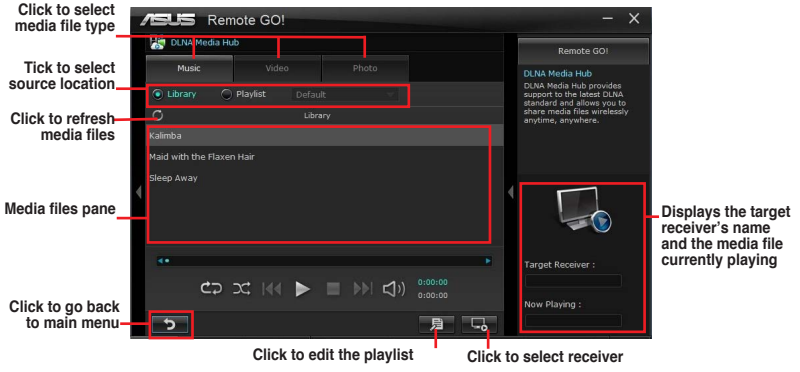
The W-Fi GO! Remote's user interface shown above is for reference only and may vary with the mobile device's operating system.

Below are the supported screen resolution of your mobile devices:

Screen type	Low Density (120, ldpi)	Medium Density (160, mdpi)	High Density (240, hdpi)	Extra high density (320, xhdpi)
Small creen	QVGA (240 x 320)		480 x 640	
Normal screen	WQVGA400 (240 x 400) WQVGA432 (240 x 432)	HVGA (320 x 480)	WVGA800 (480 x 800) WVGA854 (480 x 854) 600 x 1024	640 x 960
Large screen	WVGA800 (480 x 800) WVGA854 (480 x 854)	WVGA800 (480 x 800) WVGA854 (480 x 854) 600 x 1024		
Extra large screen	1024 x 600	WXGA (1280 x 800) 1024 x 768 1280 x 768	1536 x 1152 1920 x 1152 1920 x 1200	2048 x 1536 2560 x 1536 2560 x 1600

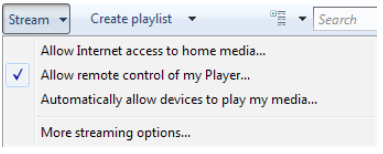
DLNA Media Hub

DLNA Media Hub allows you to stream your multimedia files to your DLNA-supported device and remotely control playback using your mobile device or your computer.

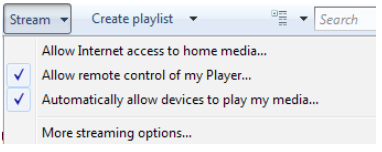


Using the DLNA Media Hub

1. From the main screen, click **DLNA Media Hub**.
2. Click to select a device as your receiver.
   - When using your DLNA display (such as DLNA TV) as the receiver, ensure that DLNA function is enabled.
   - When using another computer as the receiver, launch **Windows Media Player**, click **Stream > Allow remote control of my Player** to remotely control media playback.



   - When using the computer as sender and receiver, launch **Windows Media Player**, click **Stream > Allow remote control of my Player** and **Automatically allow devices to play my media**.



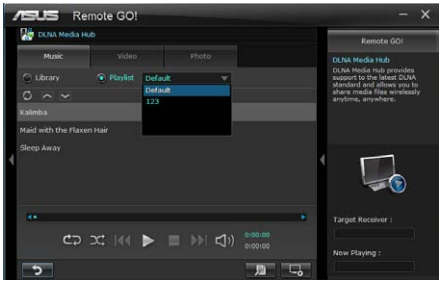
- Only computers under Windows® 7 support the DLNA Media Hub function.
- Keep the Windows Media Player open. Ensure that your media file formats supported on Windows Media Player and DLNA playback devices.

3. Click any of the tabs to select your preferred media file type.

To play music:

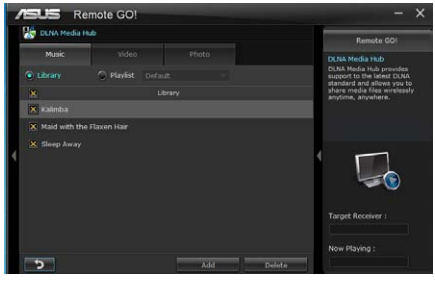
1. Click **Music** tab.
2. Tick **Library** to view or play files.

   Tick **Playlist** and select an existing playlist from the dropdown list.
3. Click a music file, and click ▶.



To edit the library:

1. Tick **Library**.
2. Click to add or delete music files.
3. Click **Add** and locate the file from the directory. To delete, tick the selected file and click **Delete**.
4. Click **OK**.



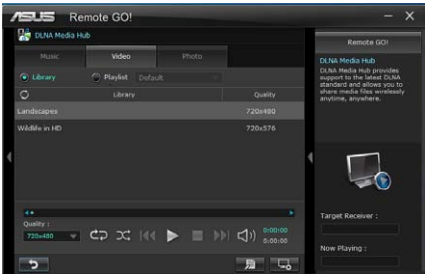
To edit the music playlist:

1. Tick **Playlist**.
2. Click .
3. Tick to select or deselect the music file and click **Save Profile**.
4. Select the profile name and click **Save**. To add as a new playlist, key in your profile name and click **Save**.
5. To delete playlist, select the profile and click .

To play a video file:

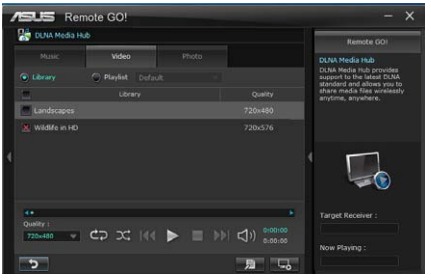
1. Click **Video** tab.
2. Tick **Library** to view the video files from your local computer. Tick **Playlist** to view the video files saved in your profile.
3. Click the video file you want to watch, and click ▶.

   Change the resolution from the **Quality** dropdown list.



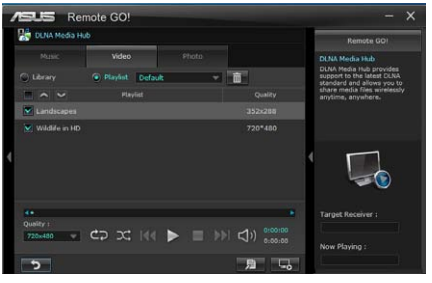
To edit the video library:

1. Tick **Library**.
2. Click to add or delete video files.
3. Click **Add** and locate the file from the directory. To delete, tick the selected file and click **Delete**.
4. Click **OK**.



To edit the video playlist:

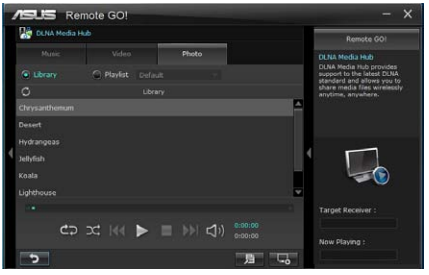
1. Tick **Playlist**.
2. Click .
3. Tick to select or deselect the video file and click **Save Profile**.
4. Select the profile name and click **Save**. To add as a new playlist, key in your profile name and click **Save**.
5. To delete playlist, select the profile and click .



To view images:

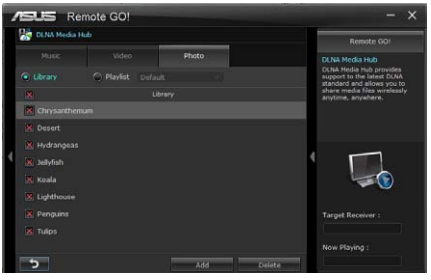
1. Click **Photo** tab.
2. Tick **Library** to view the image files from your local computer. Tick **Playlist** to view the image files saved in your profile.

   An image slideshow plays when pressing ▶.



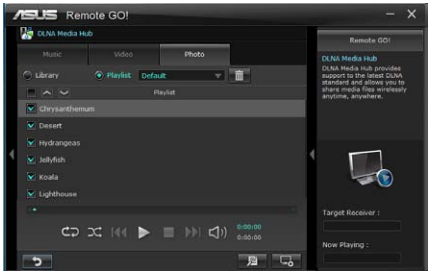
To edit the image library:

1. Tick **Library**.
2. Click to add or delete image files.
3. Click **Add** and locate the file from the directory. To delete, tick the selected file and click **Delete**.
4. Click **OK**.



To edit the image playlist:

1. Tick **Playlist**.
2. Click .
3. Tick to select or deselect the image file and click **Save Profile**.
4. Select the profile name and click **Save**. To add as a new playlist, key in your profile name and click **Save**.
5. To delete playlist, select the profile and click .



Using the DLNA Media Hub via W-Fi GO! Remote

You can access the DLNA Media Hub on your mobile device via W-Fi GO! Remote.

1. Tap **DLNA Media Hub**.
2. Select and tap the receiver name.

3. The mobile device shows the information of the DLNA Media Hub function. Tap **Enter** to proceed to the Remote GO! function.
4. Tap **Music**, **Video** or **Photo,** to play.

Your mobile device's WI-FI GO! Remote interface may vary with the mobile device's operating system.

Remote Desktop

Remote Desktop allows you to view your computer's desktop and remotely operate your computer in real-time from your mobile device.

Using the Remote Desktop

1. From the main screen, click **Remote Desktop**.
2. Click **Setting**.

Remote GO!
Remote Desktop
Remote Desktop setting page provides three different viewing modes.
* Operation in Smart Device *
To use the function, please tap the Remote Desktop icon in your smart devices.
Setting
Remote GO!
Remote Desktop
Remote Desktop allows you to view your computer's desktop and remotely operate your computer in real-time from your mobile device.

3. Select a suitable codec **Auto**, **Speed optimization**, or **Image optimization** for your mobile device.

4. Click **Apply**.

Remote GO!
Remote Desktop
Auto
Speed optimization
Image optimization
Remote GO!
Remote Desktop
Remote Desktop allows you to view your computer's desktop and remotely operate your computer in real-time from your mobile device.
Apply
Click to select a video codec
Application help
Click to go back to previous screen

Using the Remote Desktop via W-Fi GO! Remote

When the **Remote Desktop** is enabled, the mobile device shows the contents of your desktop.

The W-Fi GO! Remote's user interface shown above is for reference only and may vary with the mobile device's operating system.

File Transfer

Allows you to transfer files wirelessly between your computer and mobile device.

Before using File Transfer, ensure that your computer is connected to your mobile device. For more details, refer to the section **Wi-Fi GO! Remote**.

Remote GO!
File Transfer
Mobile Device to Desktop
Desktop to Mobile Device
Remote GO!
File Transfer
Application help
Destination path for the files transferred from mobile device to desktop
C:\Users\Y79DLX\Documents\ASUS
Path : <SD Card>\Remote GO!
Browse...
Destination path for the files transferred from desktop to mobile device
Click to go back to main menu
Click to select a destination path for your file transfer

- Android mobile devices can send and receive files.
- iOS mobile devices can only send files.

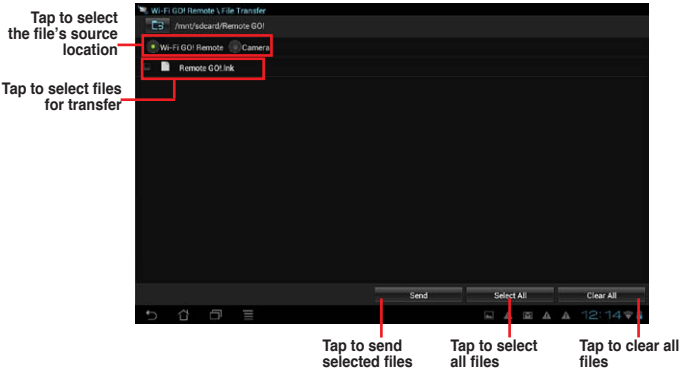
Using File Transfer

1. Right-click the file and click **Send to > [Device name]**.
2. After the transfer is complete, click **OK.**

Using File Transfer via W-Fi GO! Remote

1. On your mobile device, tap **File Transfer**.
2. Tap **Enable** to receive files from PC.
3. Tap **Enter** to send files to PC.

Wi-Fi GO! Remote \ File Transfer
File Transfer allows you to transfer files wirelessly between your computer and mobile device.
1.Ensure to Enable to be able to receive files from PC before using this function.
2.Enter to choose file and transfer it to PC.
Enable
Enter



The W-Fi GO! Remote's user interface shown above is for reference only and may vary with the mobile device's operating system.

Securing your computer for Wi-Fi GO! Remote functions

Remote GO! Settings allows you to create a password for your computer.

To create a password:

1. Click in the main menu.
2. Tick **Use Password** and key in your password.
3. Click **Apply**.

- When you launch the Wi-Fi GO! Remote, the application prompts you to key in the computer's password.
- Your password must contain 6-12 letters or numbers.

USB 3.0 Boost

ASUS USB 3.0 Boost technology supports UASP (USB Attached SCSI Protocol) and automatically increases a USB 3.0 device's transfer speed up to 170%.

Launching USB 3.0 Boost

To launch USB 3.0 Boost, click **Tool > USB 3.0 Boost** on the AI Suite II main menu bar.

Configuring USB 3.0 Boost

1. Connect a USB 3.0 device to the USB 3.0 port.

   USB 3.0 Boost automatically detects the property of the USB 3.0 device and switches to **Turbo** mode or **UASP** mode (if UASP is supported by the USB 3.0 device).

2. You can manually switch the USB 3.0 mode back to **Normal** mode at any time.

USB 3.0 Boost
Instruction
USB 3.0 Boost speeds up the transfer rate for USB storage devices automatically.
A-DATA S SD ...
HTS54802 0M...
OCZ ENYO US...
Turbo
Turbo mode automatically speeds up the transfer rate.
UASP
UASP is the latest USB protocol that speeds up data throughput and reduces data transfer time. USB 3.0 Boost automatically detects if your USB storage device supports UASP and provides the best transfer
Model: A-DATA S SD SCSI Disk Device
Size: Total: 59.62 GB , Free: 17.24 GB
Volume: USB Disk 1 - (E:)
Normal
UASP
Tool
Monitor
Update
Settings

- Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.
- Use the USB 3.0 devices for high performance. The data transfer speed varies with USB devices.

Network iControl

ASUS Network iControl is an intuitive one-stop network control center that makes it easier for you to manage your network bandwidth and allows you to set, monitor, and schedule the bandwidth priorities for your network programs. It also allows you to automatically connect to a PPPoE for a more convenient online experience.

To launch Network iControl, click **Tool > Network iControl** from AI Suite II main menu bar.

- Ensure to install the LAN drivers before using this function.
- Network iControl is only supported under Windows® 7 and can only support the onboard LAN.

Using EZ Start

EZ Start allows you to quickly activate Network iControl, and set the highest bandwidth priority for your top currently running program.

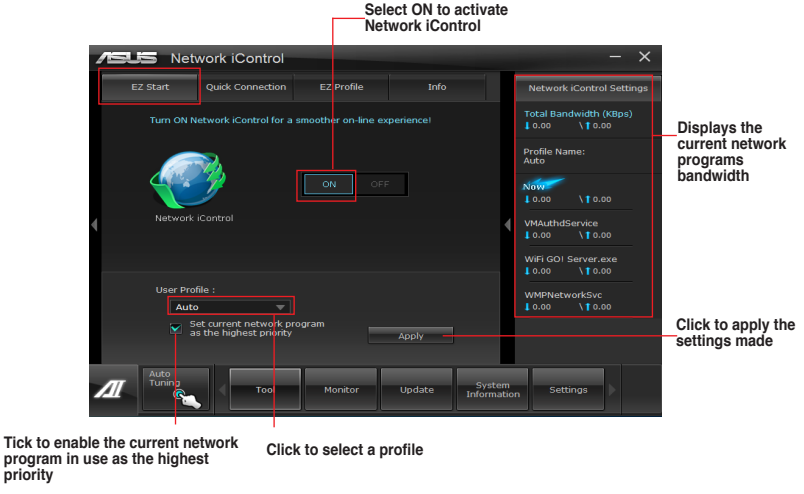
To use EZ Start:

1. Click the EZ Start tab.
2. Click **ON/OFF** to enable/disable Network iControl.

- By default, Network iControl is set to **ON**.
- When switched off, the **Quick Connection**, **EZ Profile**, and **Info** are disabled.
- You may monitor the bandwidth priority from your desktop's taskbar.

3. Select a profile and click **Apply**.

Tick **Set current network program as the highest priority** to set the top network program as the highest priority.



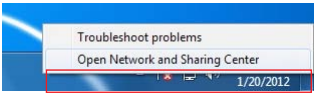
Using Quick Connection

Configuring the PPPoE connection settings

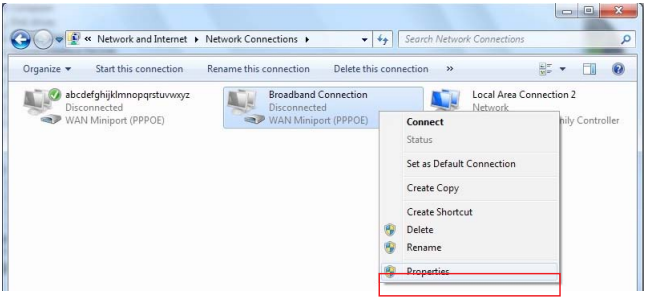
Before enabling the Network iControl's **Quick Connection** functions, you must configure the PPPoE connection settings

To configure the PPPoE settings:

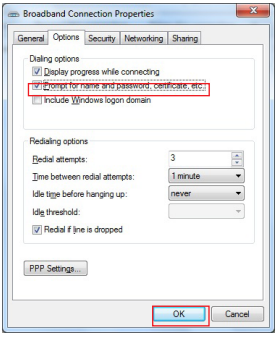
1. Right-click in the taskbar, and select **Open Network and Sharing Center**.



2. Right-click the PPPoE Connection, and select **Properties**.



3. Click the **Options** tab, and deselect **Prompt for name and password, certificate, etc.** Click **OK** to complete the auto PPPoE connection settings.



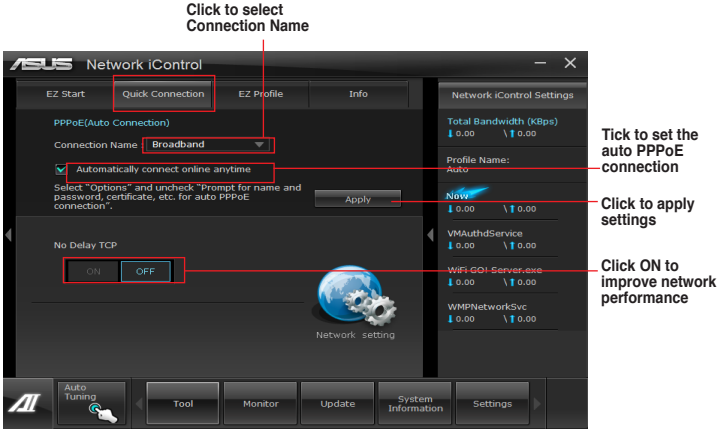
- You only need to configure the PPPoE connection settings once.
- Obtain the necessary information about your PPPoE connection from your network provider.

Configuring the Quick Connection

To configure the auto-PPPoE connection:

1. Click the **Quick Connection** tab.
2. Tick **Automatically connect online anytime** option, then select the connection name in the **Connection Name** dropdown box.
3. Click **Apply** to enable the PPPoE automatic network connection.

You can also enable the **No Delay TCP** function to help improve the network performance.

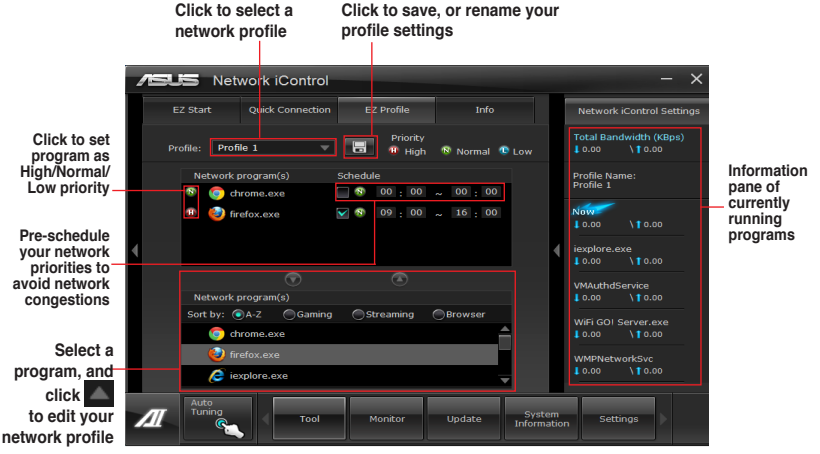


Using EZ Profile

To use the EZ Profile:

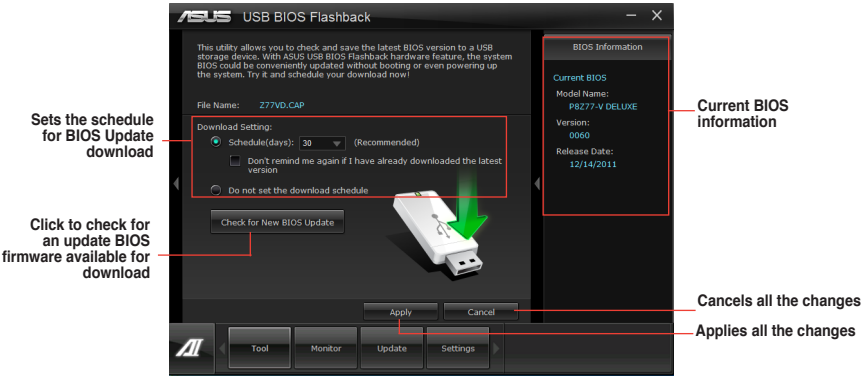
EZ Profile allows you to load, edit, and save your own network program priority profile.

1. Click the **EZ Profile** tab. The programs are shown in the network program column.
2. Select the network program, and click to create your profile.
3. Click to save the changes and/or rename your profile.
4. Click , , or to set the program priority as High, Normal, or Low.



USB BIOS Flashback Wizard

USB BIOS Flashback allows you to easily update the BIOS without entering the BIOS or operating system. Just connect the USB storage device containing the BIOS file to the USB port, press the BIOS Flashback button, and the BIOS is updated automatically.


USB BIOS Flashback
This utility allows you to check and save the latest BIOS version to a USB storage device. With ASUS USB BIOS Flashback hardware feature, the system BIOS could be conveniently updated without booting or even powering up the system. Try it and schedule your download now!
File Name: Z77VD.CAP
Download Setting:
Schedule(days): 30 (Recommended)
Don't remind me again if I have already downloaded the latest version
Do not set the download schedule
Check for New BIOS Update
BIOS Information
Current BIOS
Model Name: P8Z77-V DELUXE
Version: 0060
Release Date: 12/14/2011
Apply
Cancel
Tool
Monitor
Update
Settings
Sets the schedule for BIOS Update download
Click to check for an update BIOS firmware available for download
Current BIOS information
Cancels all the changes
Applies all the changes

Scheduling the latest BIOS download

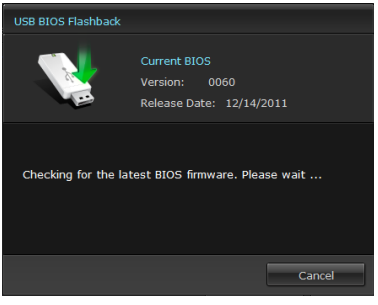
1. In the **Download Setting** field, tick **Schedule (days)** and select the number of days for your download schedule.
2. Click **Apply** to save the BIOS download schedule. Click **Cancel** to cancel the changes made.

Downloading the updated BIOS

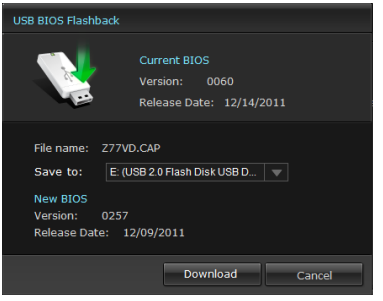
Before you start downloading, ensure that you have installed the USB storage device to your computer's USB port.

1. Click **Check for New BIOS Update** to check for the latest BIOS version.

   Wait for the system to check the latest BIOS firmware.



2. From the **Save to** dropdown list, select the USB storage device that you want to save the BIOS file to, then click **Download**.



3. When the download process is completed, click **OK** to exit.

FAN Xpert

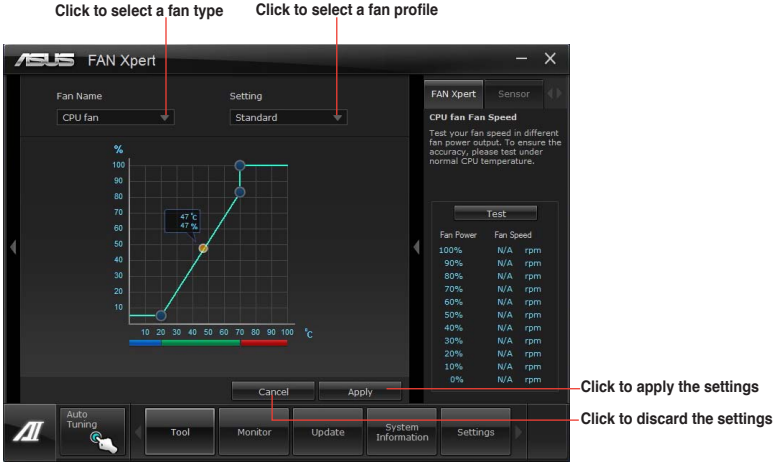
Fan Xpert intelligently allows you to adjust both the CPU and chassis fan speeds according to different ambient temperatures caused by different climate conditions in different geographic regions and your PC's system loading. The built-in variety of useful profiles offer flexible controls of fan speed to achieve a quiet and cool environment.

Launching FAN Xpert

After installing AI Suite II from the motherboard support DVD, launch FAN Xpert by clicking **Tool > Fan Xpert** on the AI Suite II main menu bar.

Using FAN Xpert

Click **Fan Name** to select a fan and then click **Setting** to select a preset mode for your selected fan.



Fan setting

- **Disable:** disables the **Fan Xpert** function.
- **Standard:** adjusts fan speed in a moderate pattern.
- **Silent:** minimizes fan speed for quiet fan operation.
- **Turbo:** maximizes the fan speed for the best cooling effect.
- **User:** Allows you to configure the CPU fan profile under certain limitations.

Ai Charger+

This utility allows you to fast-charge your portable BC 1.1* mobile devices on your computer's USB port three times faster than the standard USB devices**.

- * Check your manufacturer if your USB device is a Battery Charging Specification 1.1 (BC 1.1) compliant or compatible device.
- ** Actual charging speeds may vary depending on the charging rate and specifications of your USB device.
- To ensure normal charging function, disconnect and reconnect your USB device every time you enable or disable Ai Charger+.

Ai Charger+
Welcome to a new level in USB 3.0 fast-charging experience with the ASUS Ai Charger+, a new and improved version of the unique and fast-charging software Ai Charger*. With Ai Charger+, you can now charge BC 1.1** standard mobile devices 3X*** faster than before aside from conveniently charging your iPhone, iPod, or iPad using it's easy and user-friendly interface.
*ASUS Ai Charger is a unique and fast-charging software that supports the iPhone, iPod, and iPad.
**Contact the manufacturer of your USB mobile device to check if it supports the BC 1.1 function.
***Actual charging time may vary depending on the type, speed, and specifications of the USB device attached.
3X Speed
Enable
Disable
Apply
Auto Tuning
Tool
Monitor
Update

Probe II

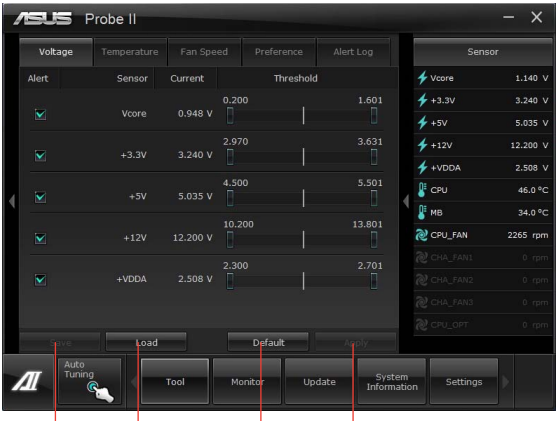
Probe II is a utility that monitors the computer's vital components, and detects and alerts you of any problem with these components. Probe II senses fan rotations, CPU temperature, and system voltages, among others. With this utility, you are assured that your computer is always at a healthy operating condition.

Launching Probe II

To launch Probe II, click **Tool > Probe II** on the AI Suite II main menu bar.

Configuring Probe II

Click the Voltage/Temperature/Fan Speed tabs to activate the sensors or to adjust the sensor threshold values. The Preference tab allows you to customize the time interval of sensor alerts, or change the temperature unit.



Saves your configuration

Loads your saved configuration

Loads the default threshold values for each sensor

Applies your changes

- Click Monitor > Sensor on the AI Suite II main menu bar and the system status will appear on the right panel.
- Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.

Sensor Recorder

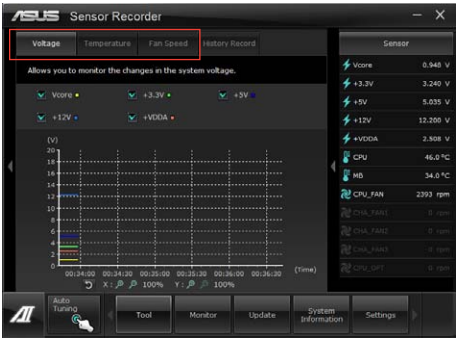
Sensor Recorder monitors the changes in the system voltage, temperature, and fan speed on a timeline. The History Record function allows you to designate specific time spans on record to keep track of the three system statuses for certain purposes.

Launching Sensor Recorder

To launch Sensor Recorder, click **Tool > Sensor Recorder** on the AI Suite II main menu bar.

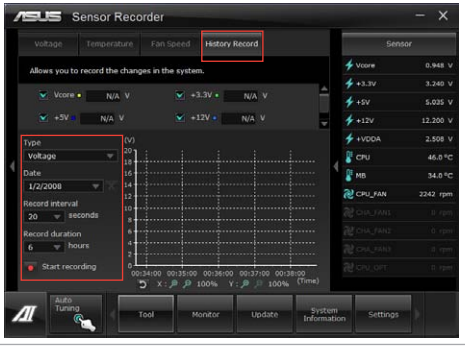
Using Sensor Recorder

Click on Voltage/ Temperature/ Fan Speed tabs for the status you want to monitor. Colored lines will automatically appear on the diagram to indicate the immediate changes in the system status.



Using History Record

1. Click the **History Record** tab and adjust the settings on the left for **Record Interval** and **Record Duration** according to need.
2. Click **Start Recording** to start measuring and recording each sensor.
3. To stop recording, click **Recording** again.
4. To track the recorded contents, set **Type**/ **Date**/ **Select display items** to display the history details.



Click **Monitor > Sensor** on the AI Suite II main menu bar and the system status will appear on the right panel.

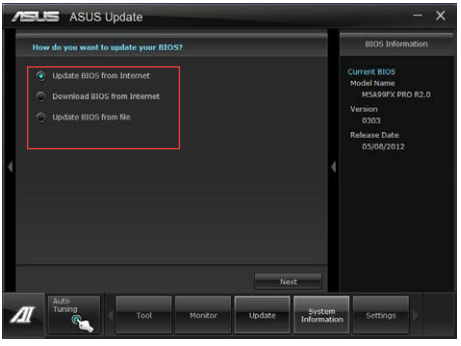
ASUS Update

ASUS Update is a utility that allows you to manage, save, and update the motherboard BIOS in Windows® environment.

Launching ASUS Update

To launch ASUS Update, click **Update > ASUS Update** on the AI Suite II main menu bar.

Using ASUS Update



Select any of these options to update the BIOS:

- **Update BIOS from Internet**

  Allows you to download the latest BIOS version from the ASUS website at www.asus.com and follow the onscreen instructions to update the BIOS.

- **Download BIOS from Internet**

  Download the latest BIOS version from the ASUS website at www.asus.com and save it for later use.

- **Update BIOS from file**

  Use the BIOS file that you had downloaded and saved to update the system BIOS.

- **Save BIOS to file**

  Save the BIOS file to another file or a USB storage device for later use.

Updating the BIOS poses some risks such as system instability or failure to boot. Before updating the BIOS, ensure that you back up the original BIOS file.

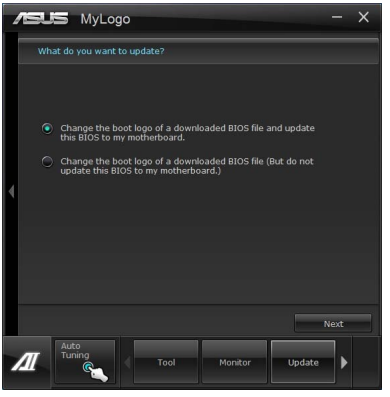
MyLogo2

MyLogo2 allows you to customize the boot logo, which is the image that appears on the screen during the Power On Self Tests (POST).

Launching ASUS Update

To launch MyLogo2, click **Update > MyLogo** on the AI Suite II main menu bar.

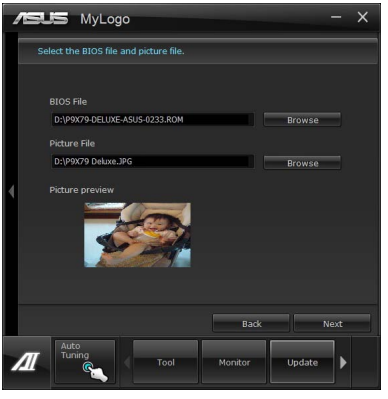
Using MyLogo


MyLogo
What do you want to update?
Change the boot logo of a downloaded BIOS file and update this BIOS to my motherboard.
Change the boot logo of a downloaded BIOS file (But do not update this BIOS to my motherboard.)
Next
Auto Tuning
Tool
Monitor
Update

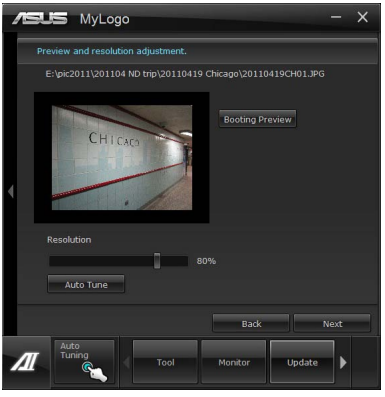
Select the option that you want to use to update your boot logo, click **Next** and follow the instructions below.

Change the boot logo of a downloaded BIOS file and update (or do not update) this BIOS to the motherboard

1. From the **BIOS file** field, click **Browse** to locate the BIOS file.
2. From the Picture File field, click **Browse the image for your boot logo**, then click **Next**.



3. Do any of the following:
   - Click **Auto Tune** to adjust the image size or the image resolution.
   - Click **Booting Preview** to preview the boot image.
4. Click **Next**.



5. Click **Flash** to update the boot logo.
6. When prompted, click **Yes** to reboot the system. You will see the new boot logo the next time you start up the system.

Ensure to enable the **Full Screen Logo** in BIOS to use this feature.